



1394 6-Port PCI

Quick Installation Guide

Introducing the *1394 6-Port PCI*

The *1394 6-Port PCI* comes with five external and one internal 1394 ports to support 1394 devices with data transfer rates up to 400Mbps. It works with various types of 1394 devices including hard disk drives, printers, DV camcorders, scanners, removable drives, and other audio/video devices.

Features and Benefits

- IEEE 1394-1995, P1394a (rev. 1.1) and OHCI Interface Specification 1.0 compliant
- Fully compliant with PCI Plug-n-Play 2.1
- Adds IEEE 1394 (FireWire) technology to your PC for high-speed I/O connectivity and the ability to link up to 63 devices
- Hot-swapping feature allows you to connect/disconnect devices without powering down the system
- Supports serial bus data transfer rates of 100, 200 and 400Mbps/sec.
- Provides 5 external and 1 internal ports for various types of 1394 device connections
- Allows you to connect DV camcorder, hard disk drive, printers, scanners, and other audio/video devices including TV, VCR, DVD to your computer
- Supports various brands of DV camcorders including, Sony, Panasonic, Canon, JVC, Sharp, and more....

System Requirements

- Pentium 233-MHz computer with one available PCI slot
- 1 GB or larger hard disk drive
- 32 MB RAM and CD-ROM drive
- Windows 98 or later

Recommended system for Digital Video capturing/editing:

- Pentium II 333-MHz computer
- 64 MB RAM and CD-ROM drive
- 80 MB of available hard disk space
- Video card with 4 MB RAM (PCI or AGP)
- Windows 98 or later

Package Contents

- *13946-Port PCI board*
- Driver software diskette
- One 5-year warranty card
- This quick installation guide

Board Layout

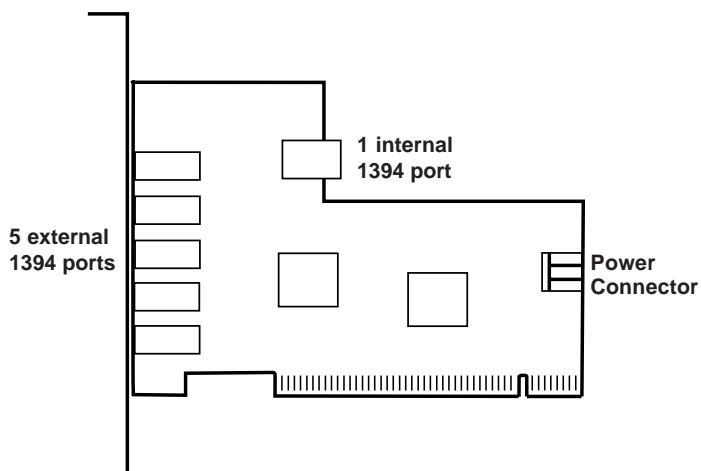


Figure 1-1. 13946-Port PCI board

Hardware Installation

No specific setup of your *1394 6-Port PCI* is needed. Simply install the card following the standard procedures for any PCI card. General instructions for installing the card are provided below, since the design of computer cases and motherboards vary. Refer to your computer's reference manual for further information, if needed.

Caution: Static Electricity Discharge may permanently damage your system. To avoid possible static electricity discharge during the installation, please follow the guidelines below:

- Discharge any static electricity build up in your body by touching a large grounded metal surface or the computer's case (if plugged in), for a few seconds.
 - During the installation, avoid any contact with internal parts. Handle cards only by their external edges.
1. Turn OFF the power to your computer and any other connected peripheral devices.
 2. Unplug the power cord from the back of the computer.
 3. Remove your computer's cover.
 4. Remove the slot bracket from an available 32-bit PCI slot.
 5. To install the card, carefully align the card's bus connector with the selected PCI slot bus connector on the motherboard. Push the board down firmly, but gently, until it is well seated.
 6. Replace the slot bracket's holding screw to secure the card.
 7. Replace the computer cover and reconnect the power cord.

Software Installation

This section will guide you through the installation of 1394 6-Port PCI for Windows 98, 98SE and 2000 drivers.

Windows 98/98SE Driver Installation

1. Turn computer ON. When Windows boots up, a *New Hardware Found* dialog box should appear and the *OHCI Compliant IEEE 1394 Host Controller* is identified.

2. At the *Add New Hardware Wizard* window, click **"Next"**.
3. Choose **"Select for the best driver for your devices"**, and click **"Next"**.
4. Insert the Windows 98/98SE CD-ROM and check the **"CD-ROM"** option. Click **"Next"**.
5. *For Windows 98*, Click **"Next"**.
For Windows 98SE, Choose **"The updated driver (Recommended)"**, and click **"Next"**, then **"Next"** again.
Note: if Windows prompts you for the Windows CD-ROM again, type in **D:\win98** and click **"OK"**.
 (Assuming **"D"** is the CD-ROM driver letter)
6. Click **"Finish"** to complete the installation.

Windows 2000 Driver Installation

Windows 2000 will automatically load the driver for this adapter. If you are prompted to insert the Windows 2000 CD, insert the CD in the CD-ROM drive and "browse" to the I386 folder to finish the installation.

To verify successful driver installation:

1. Windows 98 & 98SE:
 - a. From the main desktop, double-click on **My Computer**, **Control Panel**, **System**, then **Device Manager**.
 - b. Double-click on **1394 Bus Controller** device option.
Windows 98, **"PCI OHCI Compliant IEEE 1394 Host Controller"** should be displayed.
Windows 98SE, **"Texas Instruments OHCI Compliant IEEE 1394 Host Controller"** should be displayed.
2. Windows 2000:
 - a. Right click on **My computer** & drag to Properties.
 - b. Click **"Hardware"** tab then **"Device Manager"** button.
 - c. Double-click **IEEE 1394 Bus Controller**, **"Texas Instruments OHCI Compliant IEEE 1394 host controller"** should be displayed.

Connecting 1394 Devices

Connecting a DV Camcorder

Before setting up a digital video camcorder, verify your version of Windows (*ie.. Windows 98 or Windows 98 Second Edition.*) Also, before connecting your DV camcorder to the 1394 host adapter, perform the appropriate steps below for your version of Windows.

Windows 98:

1. Insert the driver diskette. Go to **Start, Run**, then type: **"A:\DVconnect150.exe"**. Click **"OK"**.
2. Restart your system.
3. Connect the small 4-pin connector of the 1394 DV cable (*not supplied*) to the camcorder, then power-on the camcorder.
4. Connect the other end of the cable to the 1394 host adapter.
5. The *Building Driver Database* dialog box should appear and the device driver will be automatically loaded.

If the *Building Driver Database* dialog box does not appear:

- a. Double-click on **My Computer, Control Panel, System, Device Manager**, then **1394 Bus Controller** device options.
- b. Highlight **"OHCI Compliant IEEE 1394 Host Controller"** and click on **Properties**, then **Settings**.
- c. Check the **"Support Non-Compliant Devices"** option. Click **"OK"**.
- d. Click **"OK"** again to exit **Device Manager** and click **"Yes"** to restart the system. When Windows 98 reboots, the *Building Driver Database* dialog box should indicate that the new device has been detected.

Windows 98SE & 2000:

1. When Windows boots up, connect the small 4-pin connector of the 1394 DV cable (*not supplied*) to the camcorder, then power-on the camcorder.
2. Connect the other end of the cable to the 1394 host adapter, Windows should recognize camcorder automatically.

To verify successful device connection:

1. Windows 98:
 - a. From the main desktop, double-click on ***My Computer***, ***Control Panel***, ***System***, then ***Device Manager***.
 - b. Double-click on the ***Sound, video and game controllers*** option. “**1394 DV Camcorder**” should be displayed when the device is successfully set up.
2. Windows 98SE:
 - a. From the main desktop, double-click on ***My Computer***, ***Control Panel***, ***System***, then ***Device Manager***.
 - b. Double-click on ***Imaging Device*** option. “**Microsoft DV Camera and VCR**” should be displayed when the device is successfully setup.
3. Windows 2000:
 - a. Right-click on My computer & drag to Properties.
 - b. click "Hardware" tab then "Device Manager" button.
 - c. Double-click on *Imaging Device*, “**Microsoft DV Camera and VCR**” should be displayed when the device is successfully setup.

Connecting Other Devices

Windows 98: When connecting 1394 devices other than a DV camcorder, you may need to install device drivers provided by the device manufacturer . Refer to the device's manual for details.

Windows 98SE(Second Edition)& Windows 2000: Most 1394 devices are supported. Please refer to the device manufacturer's manual for details.

Note: Different devices may require a different type of cable.

Technical Support & RMA

Questions? SIIG's **Online Support** has the answers! Simply visit our web site at **www.siig.com** and click on the **ONLINE SUPPORT** icon for instant technical support. You may also e-mail us online at:

http://www.siig.com/technical_support_form.html

If you need additional help, Tech Support Specialists are available from 8:00 a.m. to 5:00 p.m. Mon. – Fri., PST at **(510) 353-7542**.

In order for SIIG's Technical Support to give you prompt service, you will need the following information.

Part Number: _____

Computer Configuration: _____

Return Merchandise Authorization (RMA)

SIIG warrants to the original buyer of the product that the hardware is free of defects in materials and workmanship for a period of five years from the date of purchase. If your product fails to be in good working order during the warranty period, you may return it to SIIG for repair or replacement at SIIG's option. To return a product:

Step 1: Call SIIG's RMA Department

Call the RMA Department at **(510) 413-5333** for a Return Merchandise Authorization (RMA) number. **To get a RMA number, you must have your product serial number. The serial number is located on the side of the box it came in and on the back of the product.**

Step 2: Complete the RMA form

- Fill out the RMA form and include it with the product.
- Properly pack the product for shipping. All software, cable(s) and accessories that came with the original package must be included.
- Clearly write your RMA number on the top of the returned package and on the accompanying RMA form. **SIIG will refuse any shipping package, and not be responsible for a product returned without a RMA number posted on the outside of the shipping carton.**

Step 3: Ship the product

You are responsible for the shipping cost to SIIG at the following address:

SIIG, Inc. RMA# _____
6078 Stewart Ave.
Fremont, CA 94538

SIIG will ship the repaired or replaced product via UPS Ground or US Mail at no cost to you.

PRODUCT NAME

1394 6-Port PCI

MODEL NUMBER

NN2630

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B
OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC NOTICE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio or TV technician for help

Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment

**THE PARTY RESPONSIBLE FOR
PRODUCT COMPLIANCE**

SIIG, Inc.

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